

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING

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Application Serial Number: 10/510,148
Source: IFWP
Date Processed by STIC: 7/5/06

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1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
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Revised 01/10/06



IFWP

RAW SEQUENCE LISTING

DATE: 07/05/2006

PATENT APPLICATION: US/10/510,148

TIME: 14:09:51

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5 Dr. Leland W. K. Chung
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8 Disease and the Discovery of Therapeutics
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see pp 6, 8-9
**Does Not Comply
Corrected Diskette Needed**

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219 atctgagctc ttttttttta gatttgaaaa ccgcctttta gattagatta gaacactgcc 11280
220 ttttttttgg ttatgcagta acagatcatt gccacctga aagcgagtcg cctttatttt 11340
221 tacctcctta ttagaaccag caggagctgc aattgctggt gcttgagcca aggccacagt 11400
222 cagcatagaa aggttctgct aagagactgt gttaaaggaa ataaatttgg tgacttagtt 11460
223 ttgttttaca agctagctgt ggcccagtc tctgcaggg tgggtacgca ggtttattgc 11520
224 agctctgcag agccatggcc ttagacaaac aaagaagggtg tgggaatacc cgggagcttt 11580
225 ccattcaaag tagattcttc tcttttgagt gcatgtaaat gaagcaccag ctttctaaaa 11640
226 aaaaaaaaaa aaaaaaaaaa agagagaaaa gaaaagtcag tctgaagttt ttgtgacact 11700
227 cagccagact ccacattaga taaagtaatc atggaaatac agctttattt ttataccaag 11760
228 ttgtgcttag aaagctgatt gctaaaccag gaagcttggc tttcagaatt ttactgtaat 11820
229 ccaggggtgga aaaaaagtat cactcagatg gcatttgtgg gagattactg actggtaatc 11880
230 cctccttgtc ctagaagatt aagtctgccc tgggtgtagtc atggtcagct gattttttta 11940
231 tttattttatt ttaaataaat tgtagtttct tgttgtaagt cagccagtgt ctgatgtttg 12000
234 <210> SEQ ID NO: 2
235 <211> LENGTH: 191166
236 <212> TYPE: DNA
237 <213> ORGANISM: Homo sapiens
239 <400> SEQUENCE: 2
240 gaattcattg agctacacac tttacacaat ggaatgtctg caacaagcct atgaggtagg 60
241 attccctaaa ctacagagagc ttaagtaacc tgcccaccat cacacagcta ataaaaatgta 120
242 aagtcacat tcaaatccct gtctgcctga attaaaagct catgattttt ctggaattcc 180
243 ttttagacttt ataatagaaa atgaagcata acttctatct tgaaacacct gtttcttttt 240
244 ttttaagacat attaatatat ctttaaaaaa atgtttttta cagagtcagg gtcttgctct 300
245 gttgctcagt ctggagtgtg gtggcttgat cgtagctcac tgcacctca aactcctggt 360
246 ctcaagcaac cttccacct cagtctccca agcagctggg gccatgggcc catgccactg 420
247 caccagctaa ttttaaaaaa aaaagttatt ttctttgcag agacagggtc tcaactatgtt 480
248 gccagggtg atctcaaact gctggggctc aagcaatcct cctgcctcag cctcccaaag 540
249 cattcttaat gtccctttac tatcattttg tgcagaatcg tgtcccaagt tcatcacaca 600
250 gtgctatggt gattgatacg ctatttgcag ggcaaataag agtagtagcg gtagtagtaa 660
251 taataattca tttcttatta taaagcattt ttacagtttt aaaataattt ttaaaacata 720
252 tatcttgatc ttttcaggag tcttatgact cctgacaggc aagtctcact attgtttact 780
253 gttgataaga actctgaagt ttggcccagc actgtggctc acgcctataa tcccagcact 840
254 ttggggaggc gagatgggag gctcacacaa acccaggaat tcgagaccag ccaggacaac 900
255 atgatgagac cccatctcct taaaaaataa aaaaattagc cagccatggt ggcacgtact 960

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/510,148

DATE: 07/05/2006
TIME: 14:09:52

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\07052006\J510148.raw

error explanation
Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:10,11,12,13,14,15,16,17,18,19

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/510,148

DATE: 07/05/2006

TIME: 14:09:52

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\07052006\J510148.raw

L:3681 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:10, <213>
ORGANISM:Artificial Sequence

L:3681 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>
ORGANISM:Artificial Sequence

L:3681 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:3681

L:3689 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213>
ORGANISM:Artificial Sequence

L:3689 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>
ORGANISM:Artificial Sequence

L:3689 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:3689

L:3697 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial Sequence

L:3697 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial Sequence

L:3697 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:3697

L:3705 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:13, <213>
ORGANISM:Artificial Sequence

L:3705 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:13, <213>
ORGANISM:Artificial Sequence

L:3705 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:13,Line#:3705

L:3713 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:14, <213>
ORGANISM:Artificial Sequence

L:3713 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213>
ORGANISM:Artificial Sequence

L:3713 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:3713

L:3721 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:15, <213>
ORGANISM:Artificial Sequence

L:3721 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:15, <213>
ORGANISM:Artificial Sequence

L:3721 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15,Line#:3721

L:3729 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:16, <213>
ORGANISM:Artificial Sequence

L:3729 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:16, <213>
ORGANISM:Artificial Sequence

L:3729 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:16,Line#:3729

L:3737 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:17, <213>
ORGANISM:Artificial Sequence

L:3737 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:17, <213>
ORGANISM:Artificial Sequence

L:3737 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:17,Line#:3737

L:3745 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:18, <213>
ORGANISM:Artificial Sequence

L:3745 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:18, <213>
ORGANISM:Artificial Sequence

L:3745 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:18,Line#:3745

L:3753 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:19, <213>
ORGANISM:Artificial Sequence

L:3753 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:19, <213>
ORGANISM:Artificial Sequence

L:3753 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:19,Line#:3753

10/5/10, 148 8

<210> 10
<211> 32
<212> DNA

<213> Artificial Sequence

*needs explanation in <220>-<223> section
(see p. 6 for error explanation)*

<400> 10
cctgaactgt ttgtacctct gggccatatt gc

32

<210> 11
<211> 33
<212> DNA

<213> Artificial Sequence

same error

<400> 11
caaatttctg aagagtaggt gatccgggtg gag

33

<210> 12
<211> 34
<212> DNA

<213> Artificial Sequence

<400> 12
tctaaagtag ggggaaccaa gcctgctggt ggtg

34

<210> 13
<211> 34
<212> DNA

<213> Artificial Sequence

<400> 13
actgatagat ggaatttatt aagcttttca catg

34

<210> 14
<211> 33
<212> DNA

<213> Artificial Sequence

<400> 14
caagttaact gagctttttc ttaatttcatt tcc

33

<210> 15
<211> 37
<212> DNA

<213> Artificial Sequence

<400> 15
gttggtacct ccacagaaga tgtttatttg atgtaac

37

<210> 16
<211> 18
<212> DNA

<213> Artificial Sequence

<400> 16
agtcaataga agccggcg

18

<210> 17

10/5/0,148 9

<211> 20

<212> DNA

<213> Artificial Sequence

<400> 17

ggggatttag agggttctgt

20

<210> 18

<211> 22

<212> DNA

<213> Artificial Sequence

<400> 18

gcctgaactg tttgtacctc tg

22

<210> 19

<211> 24

<212> DNA

<213> Artificial Sequence

<400> 19

gagtaggtga tccgggtgga gatg

24